

2/14/2018

Print



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	
P0038862	ACI001-VC	1	1	Net 30	MT-4140-B-0.500X3.000	4140 Steel Bar 0.500 X 3.000 : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC receive ft				6	2/13/2018	6		S042420	Stock	2/14/2018	\$ 23.50 / ft	0		\$141.00	
		2			MT-4140-B-0.500X4.000	4140 Steel Bar 0.500 X 4.000 : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC receive ft						6		S042421	Stock	2/14/2018	\$ 27.00 / ft	0		\$162.00	
		3			MT-4140-B-0.750X1.750	4140 Steel Bar 0.750 X 1.750 : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC receive ft				8		8		S042422	Stock	2/14/2018	\$ 23.50 / ft	0		\$188.00	
Total:										20		20									\$390.00

Plex 2/14/2018 2:34 PM Dart, Dubois, Pascal



ACIER OUELLETTE INC.
935, Boul. du Havre
Salemberg de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl.: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl.: 514-336-4246 Ext.: 866-456-4242

Order - Sales

Copy

CO00071409

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
MILWESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att: CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Customer N°

CL10001056

Date

2018/01/26

Delivery date

2018/02/13

Your order N°

038862

Processed by

Josianne Bourdon

Salesman

Carrier

OUELLETTE VALLEYFIELD

Credit Terme

Net 30 Days

Page

1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	8/0	IN	I	S	C
1 PLATE 4140 HT 1/2 RANDOM NS P4140-12HT-V 8509 <i>1 X 3" X 6" HEAT: 300536 AC13068-FU-05/02</i>	30.63	1.50	P12 \$CLB	1.00						
2 PLATE 4140 HT 1/2 RANDOM NS P4140-12HT-V 8509 <i>1 X 4" X 6" HEAT: 300536 AC13068-FU-05/02</i>	40.84	2.00	P12 \$CLB	1.00						
3 PLATE 4140 HT 3/4 RANDOM NS P4140-34H-V 8198 <i>1 X 1 3/4" X 96" HEAT: 300188 AC13068-FU-05/12</i>	37.44	1.17	P12 \$CLB	1.00						

MIR : R-109516-6

Next Page...

1/25/2018

PURCHASE ORDER



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO038862

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO038862**PO Date:** 1/25/18**Due Date:** 2/2/18**Purchase Order
Revision:****Revision Date:****Ship-To Contact:** Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
JAN 26 2018

JAN 26 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground**Pymt Terms:** Net 30**Freight Terms:****Special Comments:** QUOTATION # SOU0079984,
SOU0080619, SOU0080267

Items									
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)
1	MT-4140-B-0.500x3.000		4140 Steel Bar 0.500 X 3.000 : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC receive ft	Firmed	2/2/18	6 ft	0 ft	6 ft	\$23.50/ft
							6 ft		\$141.00
									FEB 14 2018 DAS 11 9-89
2	MT-4140-B-0.500X4.000		4140 Steel Bar 0.500 X 4.000 : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC receive ft	Firmed	2/2/18	6 ft	0 ft	6 ft	\$27.00/ft
							6 ft		\$162.00
									FEB 14 2018 DAS 11 9-89
3	MT-4140-B-0.750X1.750		4140 Steel Bar 0.750 X 1.750 : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC receive ft	Firmed	2/2/18	8 ft	0 ft	8 ft	\$23.50/ft
							8 ft		\$188.00
									FEB 14 2018 DAS 11 9-89
4	MT-1144-H1.000		AISI 1144 Stressproof Steel Hex Bar 1.000"	Firmed	2/2/18	12 ft	0 ft	12 ft	\$25.416666/ft
							12 ft		\$305.00
									FEB 05 2018
5	MT-A513-T-0.750W0.058		A513 Seamless Alloy Steel Round Tubing 0.75"dia. x 0.058" Wall	Firmed	2/2/18	20 ft	0 ft	20 ft	\$9.75/ft
							20 ft		\$195.00
									FEB 13 2018 DAS 11
								Grand Total: \$991.00	

Order Notes

Plex 1/25/18 12:31 PM dart.lavoie.chanta

1/25/2018

PURCHASE ORDER

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/25/18 12:31 PM dart.lavoie.chantal

**ACIER OUELLETTE INC.**

935, Boul. du H vre
Salaberry de Valleyfield (Qu bec) J6S 5L1
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0080267

Billed to

DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

Customer N 

CLI0001056

Date

2018/01/15

Revision N 

0

Prices valid until

2018/01/22

Your Order N **Processed by**

Josianne Bourdon

Salesman

JOSIANNE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

1

Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
PIPE 3/4 SH. 80 A106 SEAMLESS N 1 X 21' 4-5 DAYS	0.00	1.00	UN	1.00	UN		1.00	62.000	62.00
PIPE 1" SH.40 A106 SEAMLESS N 1 X 21' ** NOT AVAILABLE IN SH.10 DELIVERY 2-3-DAYS	0.00	1.00	UN	1.00	UN		1.00	65.000	65.00
TUBE MECH. A-513 3/4 OD X .058 N 1 X 20' R/L 2 WEEKS	0.00	20.00	UN	20.00	UN		1.00	195.000	195.00
SURCHARGE ENERGETIQUE FRAIS ENERGETIQUE						\$			3.95

Total Weight (Lbs)

0.00

Sub-total

325.95

Important

This offer is based on availability and current pricing conditions that may be revised upon reception of the order.
This offer is subject and conditional to credit approval.

Approved and Accepted by : _____

Date : _____

Total (\$CAD)

368.32

TVH-13 . . 42.37

**ACIER OUELLETTE INC.**

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0080619

Billed to

DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer N° CLI0001056
Date 2018/01/16
Revision N° 0
Prices valid until 2018/01/23
Your Order N°
Processed by Josianne Bourdon
Salesman JOSIANNE
Carrier OUELLE SDV
Credit Terms Net 30 Days
Page 1

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
HEXAGONE A108 1144CF 1" N ✓ 1 X 12' R/L 5-7 DAYS	0.00	1.00	UN	1.00	UN		1.00	305.000	305.00
SURCHARGE ENERGETIQUE FRAIS_ENERGETIQUE MT-1144									3.95

Total Weight (Lbs) 0.00

Sub-total 308.95

Important

This offer is based on availability and current pricing conditions that may be revised upon reception of the order.
This offer is subject and conditional to credit approval.

Approved and Accepted by : _____

Date : _____

Total (\$CAD) 349.11

TVH-13 · · 40.16



ACIER OUELLETTE INC.

935, Boul. du H vre
Salaberry de Valleyfield (Qu bec) J6S 5L1
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0079984

Billed to

DART AEROSPACE LTD
1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

Customer N 

CLI0001056

Date

2018/01/11

Revision N 

0

Prices valid until

2018/01/18

Your Order N 

Processed by

Josianne Bourdon

Salesman

JOSIANNE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

1

Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
TUBE MEC 1.000 OD X .120 RANDOM TME-1000120-V 6505 5 X 20' R/L STOCK	112.80	100.00	PI_\$CPI	100.00	PI		5.00	44.190	220.95
TUBE MEC 0.875 OD X .120 RANDOM TME-0875120-V 6787 3 X 20' R/L STOCK	58.08	60.00	PI_\$CPI	60.00	PI		3.00	41.190	123.57
ROUND CR 1 1/4 1018 RANDOM RCR-114-V 5260 1 X 20' R/L STOCK	83.40	20.00	PI_\$CLB	20.00	PI		1.00	83.360	83.36
ROUND SS 1 303 RANDOM RSS-1303-V 8519 4 X 12' R/L 2-3 DAYS	128.16	48.00	PI_\$CLB	48.00	UN_\$UN		4.00	96.745	386.98
ROUND SS 3/4 304 RANDOM RSS-34-V 5762 8 X 12' R/L STOCK	144.19	96.00	PI_\$CLB	96.00	PI		4.00	103.080	412.32
ROUND 4140 HEAT TREAT 3/4 RANDOM R4140-34H-V 4949 1 X 20' R/L STOCK	30.04	20.00	PI_\$CLB	20.00	PI		1.00	49.850	49.85
FLAT 4140 HT 1/2 X 3 N 1 X 6' 4-5 DAYS	0.00	1.00	UN	1.00	UN		1.00	141.000	141.00
FLAT 4140 HT 1/2 X 4 N 1 X 6' 4-5 DAYS	0.00	1.00	UN	1.00	UN		1.00	162.000	162.00
FLAT 4140 HT 3/4 X 1 3/4 N 1 X 8' 4-5 DAYS	0.00	1.00	UN	1.00	UN		1.00	188.000	188.00
FLAT ALU 1/4 X 1 6061-T6 RANDOM FAL-141-V 2512 1 X 20' STOCK	6.20	20.00	PI_\$CLB	20.00	PI		1.00	15.870	15.87

Date :

Next Page...

MT-4140-B-0.500 X 3.000

M4140N130.500 X 3.000

Chantal Lavoie

From: Chantal Lavoie
Sent: Thursday, January 11, 2018 3:26 PM
To: 'Josianne Bourdon'
Cc: Diane Baker
Subject: quote

Good afternoon Josianne,
Please advise price and delivery on mat'l.

6061 T6 B 0.375" X 0.6750" X 12'

A513- ROUND TUBING-1" X 0.120" WALL X 100 FT
A513 ROUND TUBING-0.875" X 0.120" X 60 FT

17-4-H 900 R. 100" X 24' 8"

1018 ROUND BAR 1.250" X 12 FT

~~303 ROUND BAR 1" X 48 FT~~

304 ROUND BAR 0.750" X 96 FT

4140 QT ROUND BAR 0.750 X 12 FT

4140 HT BAR 0.500" X 3" X 6 FT

4140 HT BAR 0.500" X 4" X 6 FT

4140 HT BAR 0.750" X 1.750" X 8 FT

~~6061-T6 BAR 0.250" X 1" X 12 FT~~

~~6061-T6 BAR 0.250" X 5" X 12 FT~~

~~6061-T6 BAR 0.250" X 6.250" X 24 FT~~

~~6061-T6 BAR 0.375" X 2" X 24 FT~~

~~6061-T6 BAR 0.500" X 1.250" X 12 FT~~

~~6061-T6 BAR 0.500" X 2.5" X 12 FT~~

~~6061-T6 BAR 0.500" X 5" X 36 FT~~

~~6061-T6 BAR 0.500" X 6" X 24 FT~~

~~6061-T6 BAR 0.500" X 1.5" X 12 FT~~

~~6061-T6 BAR 0.500" X 12" X 12 FT~~

~~6061-T6 BAR 6" X 2" X 6 FT~~

~~6061-T6 BAR 1" X 4" X 12 FT~~

~~6061-T6 BAR 1" X 12" X 12 FT~~

~~6061-T6 BAR 1.250" X 1.250" X 12 FT~~

~~6061-T6 BAR 2.5" X 1.5" X 24 FT~~

~~6061-T6 BAR 0.375" X 1" X 48 FT~~

~~6061-T6 BAR 0.750" X 3" X 12 FT~~

6061-T6 BAR 0.750" X 0.125" X 20 FT *also 6061 3+5*

~~6061-T6 BAR 1.5" X 1.5" X 12 FT~~

~~6061-T6 BAR 2" X 1.250" X 24 FT~~

~~6061-T6 BAR 2" X 2.250" X 12 FT~~

~~6061-T6 BAR 2" X 5" X 12 FT~~

~~6061-T6 BAR 2" X 8" X 4 FT~~

6061-T6 BAR 2.75" X 6" X 6 FT. *3/4 only.*

Chemical certification
Certification chimique

CO 71409

AC N
13068

Order Num / No. Commande AC-13068	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 08/31/17	Heat / coulée 300536	Material ID # / No. matériel
Grade / Nuance 4140 PLT	Conditions HEAT TREATED				
Shape / Forme FLAT	Size / Dimension 0.500	Specifications ASTM A829/A829M			

Chemical composition / Analyse chimique

Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)
Mini / maxi 0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190
Actuel % 0.410	0.226	0.743	0.007
Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)
Mini / maxi 0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500
Actuel % 0.001	0.950	0.530	0.180
Copper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)
Mini / maxi 0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.183	0.032	0.032	0.000
Cobalt (Co)	Titanium (Ti)		
Mini / maxi 0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.000	0.000	0.000	0.000

Mechanical properties / Propriétés Mécaniques

Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
0.000 PSI	0.000 PSI	0.00	0.00		305 BHN

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut ont été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.

Prepared by / Préparé par:

N

AC
13068

071409

Chemical certification
Certification chimique

Order Num / No. Commande AC-13068	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 04/28/17	Heat / coulée 300188	Material ID # / No. matériel
Grade / Nuance 4140 PLT	Conditions HEAT TREATED: Q&T E+VD				
Shape / Forme PLT	Size / Dimension 0.750	Specifications ASTM A829/A829M			

Chemical composition / Analyse chimique

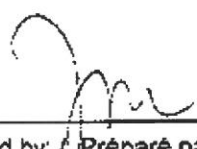
Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)
Mini / maxi 0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190
Actuel % 0.400	0.227	0.814	0.008
Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)
Mini / maxi 0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500
Actuel % 0.001	0.970	0.240	0.170
Copper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)
Mini / maxi 0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.178	0.035	0.025	0.000
Cobalt (Co)	Titanium (Ti)		
Mini / maxi 0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.000	0.000	0.000	0.000

Mechanical properties / Propriétés Mécaniques

Yield strenght / Elasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
0.000 PSI	0.000 PSI	0.00	0.00		300 BHN

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material
 Nous certifions que les données ci haut ont été vérifiées et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.


 Prepared by: / Préparé par:

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-B-0.500X3.000

PO BATCH NO: P0038862/
5048420

DATE: FEB 14 2018

MATERIAL CERT REC'D: YES
QUANTITY RECEIVED: 6
QUANTITY INSPECTED: 6
QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.500
THICKNESS RECEIVED: 0.500
SHEET SIZE ORDERED: N/A
SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	<u>Astm A829</u>
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	<u>Heat # 300536</u>
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D	WEE
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if req)
INSPECTED BY: <u>DAS</u> <u>11</u> DATE: <u>9 FEB 14 2018</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in.

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
MINIMUM ROCKWELL C = 28 Rc
MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION: ASTM A829, AMS 6395

PART NUMBER: MT-4140-S-[T.TTT] x [W.WWW]
WHERE "T.TTT" = THICKNESS IN INCHES
WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500

REV.	DESCRIPTION	DATE	BY	APPROVED
A	NEW ISSUE	18.2.13	VM	ML


DART AEROSPACE Newbury, Ontario, Canada	
TITLE AISI 4140 / 4142 STEEL SHEET OR PLATE	
PART NO. MT-4140-S	REV A
TOOL NO. - DIMENSIONS ARE IN INCHES DIMENSIONS IN PARENTHESES ARE OPTIONAL DIMENSIONS APPLIED AFTER FINISHING	
DESIGNED BY: VM 21/3/2018	INITIALS AND DATE
DRAWN BY: VM 02/13/2018	XXZ & AOS
CHECKED BY: VM 02/13/2018	XX & .91
MFG REVIEW BY: DD 02/13/2018	XX & .91
APPROVED BY: ML 02/14/2018	SCALE: NTS
FRACTIONS: 1/8 ANGLES: 5° SURFACE: S ROUGHNESS	
SHEET 1 OF 1	
COPYRIGHT © 2018 BY DART AEROSPACE LTD	
THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD. IT IS TO BE USED ONLY FOR THE PURPOSES SPECIFIED HEREIN. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM DART AEROSPACE LTD.	

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
MINIMUM ROCKWELL C = 28 Rc
MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION:
ASTM A829, AMS 6395

PART NUMBER: MT-4140-S-T.TTT) x [W.WWW]
WHERE "T.TTT" = THICKNESS IN INCHES
WHERE "W.WWW" = WIDTH IN INCHES (O

EX. 0.063" THICK SHEET = MT-4140-S-0.063
EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500

TITLE	HAMILTON, ONTARIO, CANADA		AIS1 4140 / 4142 STEEL SHEET OR PLATE		REV	A
			PART NO.	MT-4140-S	UNLESS OTHERWISE SPECIFIED: INTERPRET PER ASME Y14.2M-2009 DIMENSIONS APPLY, AFTER FINISHING	
TECH. NO.	-		INITIALS AND DATE	TOLERANCES		
DESIGNED BY:	VM	02/13/2018	DRAWN BY:	VM	02/13/2018	FRACTIONS 4 1/8
CHECKED BY:	VM	02/13/2018	CHECKED BY:	VM	02/13/2018	ANGLES 2.5°
NO. REVISED BY:	DD	02/13/2018	NO. REVISED BY:	DD	02/13/2018	SURF. FINISHES
APPROVED BY:	MT	02/14/2018	APPROVED BY:	MT	02/14/2018	THREADS
SCALE: NTS.			SHEET 1 OF 1			

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-B-0.500X4.000

PO BATCH NO: C3882/5042421

DATE: FEB 14 2018

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 6"
 QUANTITY INSPECTED: 6"
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.500
 THICKNESS RECEIVED: 0.500
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	Y (N)	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	Y (N)	
CORRECT MATERIAL PER M-DRAWING	Y (N)	<u>Astm A829</u>
CORRECT THICKNESS	Y (N)	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	Y (N)	<u>Heat# 300536</u>
CORRECT MATERIAL IDENTIFICATION	Y (N)	
CORRECT M# ON THE MATERIAL	Y (N)	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK
 RECORD RESULTS BELOW

	HRC	HRB	DURA	DUR D	WEAR
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if req)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>9-89 FEB 14 2018</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	18-544	18.2.13	VM	ML

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
MINIMUM ROCKWELL C = 28 Rc
MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION: ASTM A829, AMS 6395

PART NUMBER: MT-4140-S-11.1111 x 1W.WWW
WHERE "11.1111" = THICKNESS IN INCHES
WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500

PART AEROSPACE Hamilton, Ontario, Canada	
TITLE AISI 4140 / 4142 STEEL SHEET OR PLATE	
PART NO. MT-4140-S	
REV A	
TOOL NO.	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DIMENSIONS ARE TO CENTER UNLESS NOTED OTHERWISE
DESIGNED BY: VM 2/13/2018	TOLERANCES: FRACTIONS: 1/16
DRAWN BY: VM 02/13/2018	ANGLES: 2.0°
CHECKED BY: VM 02/13/2018	DECIMALS: 2.1
APPROVED BY: ML 02/14/2018	SCALE: NTS
SHEET 1 OF 1	
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-B-0750X1.750

PO BATCH NO: 038862/504422

DATE: FEB 14 2018

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 8"
 QUANTITY INSPECTED: 8"
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.750
 THICKNESS RECEIVED: 0.750
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/> N	<u>Ast m A829</u>
CORRECT THICKNESS	Y <input checked="" type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/> N	<u>Heat # 300188</u>
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.
 RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR B	TWEE
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if req)
INSPECTED BY: <u>DAS 11</u> DATE: <u>9-89 FEB 14 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in.

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	18-544	18.2.13	VM	ML

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
MINIMUM ROCKWELL C = 28 Rc
MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION: ASTM A829, AMS 6395

PART NUMBER:

MT-4140-S-IT.TTT x IW.WWW
WHERE "T.TTT" = THICKNESS IN INCHES
WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500

DART AEROSPACE Hamilton, Ontario, Canada	
TITLE	
AISI 4140 / 4142 STEEL SHEET OR PLATE	
PART NO.	REV
MT-4140-S	A
INITIALS AND DATE	
DESIGNED BY: VM 2/13/2018	CHECKED BY: VM 02/13/2018
DRAWN BY: VM 02/13/2018	CHECKED BY: VM 02/13/2018
APPROVED BY: VM 02/13/2018	CHECKED BY: VM 02/13/2018
SCALE: 1:1	
SHEET 1 OF 1	
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